

POWER OF ATTORNEY
THOMSON LICENSING

We,

THOMSON LICENSING
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

do hereby grant

Robert D. Shedd
Vice President, U.S. Patent Operations
Thomson Licensing LLC
Two Independence Way
Princeton, New Jersey 08540

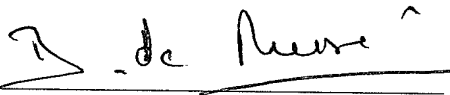
a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from January 1, 2009.

DATED this 13 day of January, in the year 2009.

Signature:

Typed Name As Signed:

Title:


Béatrix de Russé
Executive Vice-President
Licensing, Research & Innovation

POWER OF ATTORNEY
THOMSON LICENSING

THOMSON LICENSING
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

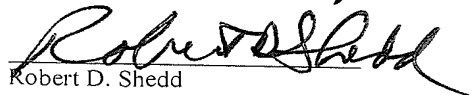
does hereby grant

Harvey D. Fried - Sr. Patent Counsel/Manager
Robert B. Levy - Sr. Patent Counsel/Manager
Frank Y. Liao - Sr. Patent Counsel/Manager
Reitseng Lin - Sr. Patent Counsel
Guy H. Eriksen - Sr. Patent Counsel
Catherine A. Ferguson - Sr. Patent Counsel
Kuniyuki Akiyama - Sr. Patent Counsel
Paul P. Kiel - Sr. Patent Counsel
Jeffrey M. Navon - Sr. Patent Counsel
Joel M. Fogelson - Sr. Patent Counsel
Joseph J. Opalach - Sr. Patent Counsel
Sammy S. Henig - Sr. Patent Counsel
Patricia A. Verlangieri - Sr. Patent Counsel
Brian J. Dorini, Sr. Patent Counsel
Jorge Tony Villabon - Patent Counsel
Vincent E. Duffy - Patent Counsel
Richard LaPeruta - Patent Counsel
Brian J. Cromarty - Patent Counsel
Ronald Kolczynski - Member Patent Staff
Michael A. Pugel - Patent Agent
Paul W. Lyons - Patent Agent
Jeffrey D. Hale - Patent Counsel
Wan Yee Cheung - Patent Counsel
Jerome G. Schaefer - Patent Counsel
James M. McKenzie, Patent Counsel
Thomson Licensing LLC
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from January 1, 2007.

DATED this 14 day of January, 2009.

SIGNED


Robert D. Shedd
Vice President, U.S. Patent Operations
Thomson Licensing LLC and
Attorney In Fact for
THOMSON LICENSING

WITNESS

